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Subject ⇒ CSS

IN PREVIOUS LECTURE (QUICK RECAP) Date-23/09/2020	In Today's Lecture (Overview)
What is CSS? How To Add Background color In html Using CSS CSS background-color Other Elements CSS background-image CSS Border Properties CSS Border Style CSS Border Color MCQ'S	<div> Tag CSS margin Property CSS background-attachment Property CSS object-position Property CSS padding Property MCQS Questions for self practice / CC For the day

<div> Tag

Example

A <div> section in a document that is styled with CSS:

```
<html>
```

```
<head>
```

```
<style>
```

```
.myDiv {
```

```
border: 5px outset red;
```

```
background-color: lightblue;
```

```
text-align: center;
```

```
}  
  
</style>  
  
</head>  
  
<body>  
  
<div class="myDiv">  
  
    <h2>This is a heading in a div element</h2>  
  
    <p>This is some text in a div element.</p>  
  
</div>  
  
</body>  
  
</html>
```

Definition and Usage

The `<div>` tag defines a division or a section in an HTML document.

The `<div>` tag is used as a container for HTML elements - which is then styled with CSS or manipulated with JavaScript.

The `<div>` tag is easily styled by using the class or id attribute.

Any sort of content can be put inside the `<div>` tag!

Note: By default, browsers always place a line break before and after the `<div>` element.

CSS margin Property

Example

Set the margin for all four sides of a <p> element to 35 pixels:

```
p {  
  
    margin: 35px;  
  
}
```

Definition and Usage

The `margin` property sets the margins for an element, and is a shorthand property for the following properties:

- [margin-top](#)
- [margin-right](#)
- [margin-bottom](#)
- [margin-left](#)

If the margin property has four values:

- `margin: 10px 5px 15px 20px;`
 - top margin is 10px
 - right margin is 5px
 - bottom margin is 15px
 - left margin is 20px

If the margin property has three values:

- `margin: 10px 5px 15px;`
 - top margin is 10px
 - right and left margins are 5px
 - bottom margin is 15px

If the margin property has two values:

- `margin: 10px 5px;`
 - top and bottom margins are 10px
 - right and left margins are 5px

If the margin property has one value:

- `margin: 10px;`
 - all four margins are 10px

Note: Negative values are allowed.

Margin Collapse

Top and bottom margins of elements are sometimes collapsed into a single margin that is equal to the largest of the two margins.

This does not happen on horizontal (left and right) margins! Only vertical (top and bottom) margins!

Look at the following example:

Example

```
p.a {  
  
    margin: 30px 0;  
  
}  
  
p.b {  
  
    margin: 20px 0;  
  
}
```

CSS background-attachment Property

Example

A background-image that will not scroll with the page (fixed):

```
body {  
  
    background-image: url("img_tree.gif");  
  
    background-repeat: no-repeat;  
  
    background-attachment: fixed;  
  
}
```

Property Values

Value	Description
scroll	The background image will scroll with the page. This is default
fixed	The background image will not scroll with the page
local	The background image will scroll with the element's contents

initial Sets this property to its default value.

inherit Inherits this property from its parent element.

CSS object-position Property

[< Previous](#) Complete CSS Reference [Next >](#)

Example

Resize an image to fit its content box, and position the image 5px from the left and 10% from the top inside the content box:

```
img.a {  
  
    width: 200px;  
  
    height: 400px;  
  
    object-fit: none;  
  
    object-position: 5px 10%;  
  
    border: 5px solid red;  
  
}
```

Property Values

Value	Description
<i>position</i>	Specifies the position of the image or video inside its content box. First value controls the x-axis and the second value controls the y-axis. Can be a string (left, center or right), or a number (in px or %). Negative values are allowed
initial	Sets this property to its default value.
inherit	Inherits this property from its parent element.

CSS padding Property

Example

Set the padding for all four sides of a <p> element to 35 pixels:

```
p {  
  
    padding: 35px;  
  
}
```

Definition and Usage

An element's padding is the space between its content and its border.

The `padding` property is a shorthand property for:

- [padding-top](#)
- [padding-right](#)
- [padding-bottom](#)
- [padding-left](#)

Note: Padding creates extra space within an element, while margin creates extra space around an element.

This property can have from one to four values.

If the padding property has four values:

- `padding:10px 5px 15px 20px;`
 - top padding is 10px
 - right padding is 5px
 - bottom padding is 15px
 - left padding is 20px

If the padding property has three values:

- `padding:10px 5px 15px;`
 - top padding is 10px
 - right and left padding are 5px
 - bottom padding is 15px

If the padding property has two values:

- `padding:10px 5px;`
 - top and bottom padding are 10px
 - right and left padding are 5px

If the padding property has one value:

- `padding:10px;`
 - all four paddings are 10px

Note: Negative values are not allowed.

MCQS

1.What is the reference for position: fixed on an element?

A = the original position of the element

B = element's parent

C = body

D = viewport

2.What box-sizing value will include border sizes in width calculations?

A = content-box

B = border-box

3.What is the order of components of an element inside to outside?

A = content-margin-border-padding

B = content-padding-border-margin

C = content-border-padding-margin

4.What property do you set to not wrap your inline content onto multiple lines?

A = white-space

B = word-wrap

C = wrap-around

Questions for self practice / CC For the day

- Create 4 divs
- - give different background-colours and sizes
- - content inside div is your choice
- - leave first at default position
- - second relative
- - third absolute
- - fourth fixed